

What is claimed is:

1. A dental implant registration apparatus comprising:

an impression tray having

a curved dissected frame;

a horizontal mesh;

a light conveying fiber assembly having a flexible distal end;

a light curable compound surrounding said flexible distal end;

a flexible coaxial tube containing said light curable compound and

said flexible distal end of said light conveying fiber assembly;

and

a proximal end of said light conveying fiber assembly having a

light entry port;

said flexible distal end of said light conveying fiber assembly

rendered inflexible by the hardening of said light curable compound

upon entry of curing light into said light entry port.

2. An apparatus as cited in Claim 1 comprising said fiber assembly

having a single optical fiber.

3. An apparatus as cited in Claim 1 comprising said fiber assembly

having several said optical fibers.

- 4. An apparatus as cited in Claim 1 comprising said flexible distal end treated to disperse said curing light throughout said light curable compound.**
- 5. An apparatus as cited in Claim 1 comprising transparent particles surround said flexible distal end embedded in said light curable compound to disperse said curing light throughout said light curing compound.**
- 6. An apparatus as cited in Claim 1 comprising transparent spheres surround said flexible distal end embedded in said light curable compound to disperse said curing light throughout said light curing compound.**
- 7. An apparatus as cited in Claim 1 having said curved dissected frame comprising several dissected sections.**
- 8. An apparatus as cited in Claim 1 comprising said proximal end of said light conveying fiber assembly having a transparent, conic light funnel to direct said curing light into said light conveying fiber assembly.**

Respectfully submitted.

A handwritten signature in black ink, reading "E. L. Schacht". The signature is written in a cursive style with a large, stylized "E" and "L".

Ezra L. Schacht

Registered patent agent #28261